



EMERSON™

COMPRESSION TECHNOLOGY
Product Specification

HERMETIC RECIPROCATING COMPRESSOR
Model – CS12K6ME-TF5-XXXXX

Status – Preliminary

Design Engineering & Solutions Testing Center, Karad - India
Emerson Climate Technologies (India) Private Limited

			ECN No	F45-1020-0117
Dipika Mane	Abhijit kulkarni	Manoj Chiplunkar	Rev No / Date	A1 / 30.10.2020
Prepared By	Checked By	Approved By	Doc No– CS12K6ME-TF5-XXXXX	

CS12K6ME-TF5

R-404A, 50 Hz, 3 -Phase, 200-240 V
 Extended Medium Temp

Production Status: Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Mechanical

<table border="0"> <tr><td>Evaporator Temp. (°F)</td><td>20</td></tr> <tr><td>Condensing Temp. (°F)</td><td>120</td></tr> <tr><td>Return Gas Temp. (°F)</td><td>40</td></tr> <tr><td>Liquid Temp. (°F)</td><td>120</td></tr> <tr><td>Capacity (Btu/hr)</td><td>10500</td></tr> <tr><td>Power (W):</td><td>1660</td></tr> <tr><td>Current (Amps)'</td><td>6.1</td></tr> <tr><td>EER (Btu/Wh):</td><td>6.3</td></tr> <tr><td>Mass Flow (lbs/hr):</td><td></td></tr> <tr><td><u>Sound Data :</u></td><td></td></tr> <tr><td>Sound Power (dBA):</td><td>82 Max</td></tr> <tr><td>Vibration mils (peak-peak):</td><td>4 Max</td></tr> <tr><td>Record Date:</td><td></td></tr> </table>	Evaporator Temp. (°F)	20	Condensing Temp. (°F)	120	Return Gas Temp. (°F)	40	Liquid Temp. (°F)	120	Capacity (Btu/hr)	10500	Power (W):	1660	Current (Amps)'	6.1	EER (Btu/Wh):	6.3	Mass Flow (lbs/hr):		<u>Sound Data :</u>		Sound Power (dBA):	82 Max	Vibration mils (peak-peak):	4 Max	Record Date:		<table border="0"> <tr><td>Displacement (in³/Rev):</td><td>2.89</td></tr> <tr><td>Displacement(ft³/hr):</td><td></td></tr> <tr><td>Overall Length (in):</td><td>10.56</td></tr> <tr><td>Overall Width (in):</td><td>9.34</td></tr> <tr><td>Overall Height (in):</td><td>13.68*</td></tr> <tr><td>Mounting Length (in):</td><td>7.50</td></tr> <tr><td>Mounting Width (in):</td><td>7.50</td></tr> <tr><td>Mounting Height (in):</td><td>12.81</td></tr> <tr><td>Suction Size (in),Type:</td><td>1 ¼ SPUD</td></tr> <tr><td>Discharge Size (in),Type:</td><td>1-14 SPUD</td></tr> <tr><td>Initial Oil Charge (oz):</td><td>45</td></tr> <tr><td>Oil Recharge (oz)'</td><td>43</td></tr> <tr><td>Net Weight (lbs):</td><td>65</td></tr> <tr><td>Internal Free Volume (in³):</td><td></td></tr> <tr><td>Horse Power:</td><td></td></tr> <tr><td colspan="2">'Overall compressor height on Copeland Brand Product's specified mounting grommets.</td></tr> </table>	Displacement (in ³ /Rev):	2.89	Displacement(ft ³ /hr):		Overall Length (in):	10.56	Overall Width (in):	9.34	Overall Height (in):	13.68*	Mounting Length (in):	7.50	Mounting Width (in):	7.50	Mounting Height (in):	12.81	Suction Size (in),Type:	1 ¼ SPUD	Discharge Size (in),Type:	1-14 SPUD	Initial Oil Charge (oz):	45	Oil Recharge (oz)'	43	Net Weight (lbs):	65	Internal Free Volume (in ³):		Horse Power:		'Overall compressor height on Copeland Brand Product's specified mounting grommets.																															
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Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>

CS12K6ME-TF5

R-404A, 60 Hz, 3 -Phase, 200-230 V
Extended Medium Temp

Production Status: Available for Sale for All Customers. Please check with your local Emerson Climate Technologies Representative for international availability

Electrical Components

Internal Protector		
Part No:	071-0699-02	Usage Description
<u>Vendor Part Number</u>		<u>Vendor Name</u>
37HM-211-14		Sensata

Stator			
Part No:	546-4120-16		
Resistance:	± 7%	Line to Line: 2.09	Line to Wye: 0

Potential	
Part No:	Usage Description
<u>Vendor Part Number</u>	<u>Vendor Name</u>
=	=

Start Capacitor		
Part No:	-	Low MFD: -
Type:	Start Capacitor	High MFD: -
User Description:	High Torque	Volts: -

Start Capacitor		
Part No:	-	Low MFD : -
Type:	Start Capacitor	High MFD: -
User Description:	High Torque	Volts: -

Run Capacitor		
Part No	-	Low MFD: -
Type	Start Capacitor	High MFD: -
User Description	High Torque	Volts: -

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
1	005-1675-00	1	COVER-TERMINAL BOX	-
2	020-1711-01	1	GASKET-COVER TERMINAL	-
3	100-0734-00	1	SCREW-EARTHING	-
4	018-0088-00	1	HEATER- CRANKCASE	-

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Accessories

<u>Category</u>	<u>Part Number</u>	<u>Description</u>
Crankcase Heater	018-0088-00	Crankcase Heater, 240/265V, 40W, EHP Flexible
Electrical		
Miscellaneous		
Mounting	027-0481-00	Spacer Mounting
	028-2647-06	Grommet Sleeve

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